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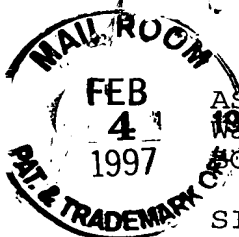
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ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231
BOX PATENT APPLICATION



SIR:

Transmitted herewith for filing is the patent application
(including Specification, Claims and Abstract, 90 pages) of:

Inventors: Francis Barany, George Barany, Robert P. Hammer,
Maria Kempe, Herman Blok, Monib Zirvi

For: DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING
THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS

Enclosed are:

- [] SIGNED Combination Declaration and Power of Attorney
(___ pages).
- [X] 34 sheets of informal drawings.
- [] An assignment (___ pages) of the invention to _____
- [] Assignment Transmittal Letter.
- [] A certified copy of a _____ application.
- [] An associate power of attorney.
- [] A verified statement to establish small entity status
under 37 CFR 1.9 and 37 CFR 1.27 (___ pages).
- [] Preliminary Amendment (___ pages).
- [X] Information Disclosure Statement, form PTO-1449
(4 pages) and 44 references.
- [X] UNSIGNED Combined Declaration and Power of Attorney
(3 pages).

The Filing fee has been calculated as shown below:

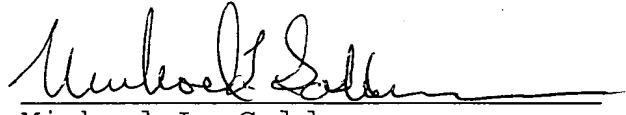
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BASIC FEE	XXXXXXXXXXXXX	XXXXXXXXXXXXX	XXXXXX	\$ 385	OR	XXXXXX	\$770
TOTAL CLAIMS	147 - 20 =	127	x 11 =	\$1397	OR	x 22 =	\$
INDEP CLAIMS	4 - 3 =	1	x 40 =	\$ 40	OR	x 80 =	\$
[] MULTIPLE DEPENDENT CLAIM PRESENTED			x130 =	\$	OR	x260 =	\$
			TOTAL	\$1822	OR	TOTAL	\$

*If the Total Claims are less than 20
and Indep. Claims are less than 3,
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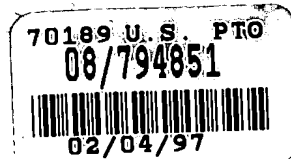
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[X] A check in the amount of \$1,822.00 to cover the filing fee is enclosed.

Date: February 3, 1997


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EXPRESS MAIL CERTIFICATE

DOCKET NO.: 19603/461

APPLICANTS: Barany et al.

TITLE: DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE
LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the New Application Transmittal Letter
(2 pages) in duplicate of the above-named application.

"EXPRESS MAIL" NUMBER: EM 450231569 US

DATE OF DEPOSIT: February 4, 1997

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Jane C. Wirszyla

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Jane C. Wirszyla
(Signature of person mailing paper
or fee)



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Certificate is attached to the Patent Application Including Specification, Claims, and Abstract (90 pages) and Unsigned Combined Declaration and Power of Attorney (2 pages) of the above-named application.

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Jane C. Wirszyla

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mailing paper or fee)

Jane C. Wirszyla
(Signature of person mailing paper
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(1 page) and PTO-1449 form (4 pages, 44 references) of the
above-named application.

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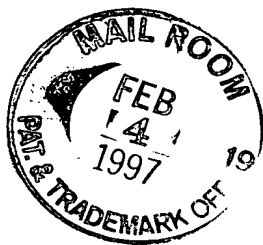
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LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the Informal Drawings (34 pages) of the
above-named application.

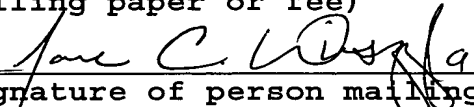
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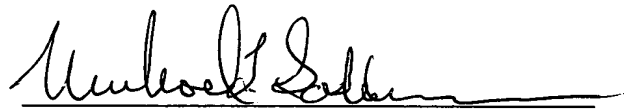
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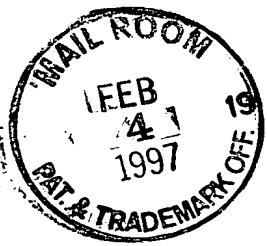
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"64020" 15846280



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DIFFERENCES USING THE LIGASE
DETECTION REACTION WITH
ADDRESSABLE ARRAYS**

**INVENTORS: Francis Barany
George Barany
Robert P. Hammer
Maria Kempe
Herman Blok
Monib Zirvi**

DOCKET NO.: 19603/461 (CRF D-1595A)

264022 "T-30462200